



Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 54060  
Application ID: 10676887  
Title of Invention: Mechanism to Control HW  
Interrupt Acknowledgement in a  
Virtual Machine System  
First Named Inventor: Steven Bennett  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2003-09-30  
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Statement  
Filing Type:  
Confirmation number: 8115  
Attorney Docket Number: 42P16348



Total Fees Authorized:


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Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: 2f93e5bd04783cc393f226c751e20fb88b0f2ee3

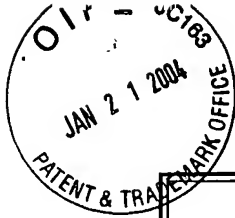


TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	Mechanism to Control HW Interrupt Acknowledgement in a Virtual Machine System							
Application Number: 10/676887 								
Date: 2003-09-30								
First Named Applicant: Steven Bennett								
Confirmation Number: 8115								
Attorney Docket Number: 42P16348								
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p> <table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>William W. Schaal Registered Number: 39018</td><td>William W. Schaal</td><td>Attorney</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	William W. Schaal Registered Number: 39018	William W. Schaal	Attorney
Submitted by:	Elec. Sign.	Sign. Capacity						
William W. Schaal Registered Number: 39018	William W. Schaal	Attorney						
Documents being submitted us-ids		Files 42P16348-usidst.xml us-ids.dtd us-ids.xsl						
Comments								



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Mechanism to Control HW Interrupt Acknowledgement in a Virtual Machine System
Application Number:	10/676887
Confirmation Number:	8115
First Named Applicant:	Steven Bennett
Attorney Docket Number:	42P16348
Art Unit:	Unknown
Examiner:	Unknown Unknown
Search string:	( 20010021969 or 20010027527 or 20010037450 or 20030018892 or 4037214 or 4162536 or 4247905 or 4276594 or 4278837 or 4307447 or 4319323 or 4347565 or 4366537 or 4521852 or 4571672 or 4759064 or 4795893 or 4825052 or 4907270 or 4907272 or 4910774 or 5007082 or 5022077 or 5075842 or 5079737 or 5255379 or 5293424 or 5317705 or 5319760 or 5386552 or 5421006 or 5434999 or 5437033 or 5442645 or 5455909 or 5459867 or 5459869 or 5473692 or 5479509 or 5504922 or 5511217 or 5522075 or 5528231 or 5533126 or 5564040 or 5566323 or 5568552 or 5582717 or 5606617 or 5615263 or 5628022 or 5657445 or 5717903 or 5720609 or 5721222 or 5729760 or 5737604 or 5737760 or 5757919 or 5764969 or 5796835 or 5796845 or 5805712 or 5825875 or 5835594 or 5844986 or 5852717 or 5854913 or 5867577 or 5872994 or 5890189 or 5900606 or 5901225 or 5903752 or 5937063 or 5953502 or 5970147 or 5978481 or 5987557 or 6014745 or 6055637 or 6058478 or 6061794 or 6075938 or 6085296 or 6092095 or 6101584 or 6115816 or 6125430 or 6148379 or 6158546 or 6173417 or 6175925 or 6178509 or 6182089 or 6192455 or 6205550 or 6212635 or 6222923 or 6249872 or 6252650 or 6269392 or 6272533 or 6272637 or 6282651 or 6282657 or 6292874 or 6301646 or 6308270 or 6314409 or 6321314 or 6330670 or 6339815 or 6339816 or 6357004 or 6363485 or 6374286 or 6374317 or 6378068 or 6378072 or 6389537 or 6397242 or 6412035 or 6421702 or 6435416 or



6445797 or 6463535 or 6463537 or 6499123 or  
6505279 or 6507904 or 6535988 or 6557104 or  
6633963 or 6633981 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	20010021969	2001-09-13	Burger, Stephen G., et al.			
	2	20010027527	2001-10-04	Khidekel, Yuri , et al.			
	3	20010037450	2001-11-01	Metlitski, Evgueny A., et al.			
	4	20030018892	2003-01-23	Tello, Jose			
	5	4037214	1997-07-09	Birney, Richard E., et al.			
	6	4162536	1979-07-24	Morley, Richard E.			
	7	4247905	1981-01-27	Yoshida, Yukihiro , et al.		711	166
	8	4276594	1981-06-30	Morley, Richard E.			
	9	4278837	1981-07-14	Best, Robert M.			
	10	4307447	1981-12-22	Provanzano, Salvatore R., et al.			
	11	4319323	1982-03-09	Ermolovich, Thomas R., et al.			
	12	4347565	1982-08-31	Kaneda, Saburo , et al.			
	13	4366537	1982-12-28	Andrew, R. H., et al.			
	14	4521852	1985-06-04	Guttag, Karl M.			
	15	4571672	1986-02-18	Hatada, Minoru , et al.			
	16	4759064	1988-07-19	Chaum,			
	17	4795893	1989-01-03	Ugon, Michael			
	18	4825052	1989-04-25	Chemin, Francois , et al.			
	19	4907270	1990-03-06	Hazard, Michel			
	20	4907272	1990-03-06	Hazard, Michel			
	21	4910774	1990-03-20	Barakat, Simon			
	22	5007082	1991-04-09	Cummins, Mary T.			
	23	5022077	1991-06-04	Bealkowski, Richard , et al.			
	24	5075842	1991-12-24	Lai, Konrad K.			
	25	5079737	1992-01-07	Hackbarth, Holden G.		711	164
	26	5255379	1994-03-08	Melo, Michael D.			
	27	5293424	1994-03-08	Hotley, Thomas O., et al.			
	28	5317705	1994-05-31	Gannon, Patrick M., et al.			
	29	5319760	1994-06-07	Mason, Andrew H., et al.			

30	5386552	1995-01-31	Garney, John L.
31	5421006	1995-05-30	Jablon, David P., et al.
32	5434999	1995-07-18	Goire, Christian , et al.
33	5437033	1995-07-25	Inoue, Taro , et al.
34	5442645	1995-08-15	Ugon, Michel , et al.
35	5455909	1995-10-03	Blomgren, James S., et al.
36	5459867	1995-10-17	Adams, Phillip M., et al.
37	5459869	1995-10-17	Spilo, Michael L.
38	5473692	1995-12-05	Davis, Derek L.
39	5479509	1995-12-26	Ugon, Michael
40	5504922	1996-04-02	Seki, Yukihiro , et al.
41	5511217	1996-04-23	Nakajima, Atsushi , et al.
42	5522075	1996-05-28	Robinson, Paul T., et al.
43	5528231	1996-06-18	Patarin, Jacques
44	5533126	1996-07-02	Hazard, Michel , et al.
45	5564040	1996-10-08	Kubals, Jeffrey P.
46	5566323	1996-10-15	Ugon, Michel
47	5568552	1996-10-22	Davis, Derek L.
48	5582717	1996-12-10	Di Santo, Dennis E.
49	5606617	1997-02-25	Brands, Stefanus A.
50	5615263	1997-03-25	Takahashi, Richard J.
51	5628022	1997-05-06	Ueno, Masahiro , et al.
52	5657445	1997-08-12	Pearce, John J.
53	5717903	1998-02-10	Bonola, Thomas J.
54	5720609	1998-02-24	Pfefferle, William C.
55	5721222	1998-02-24	Bernstein, Peter R., et al.
56	5729760	1998-03-17	Poisner, David I.
57	5737604	1998-04-07	Miller, David A., et al.
58	5737760	1998-08-07	Grimmer, Jr., George G., et al.
59	5757919	1998-05-26	Herbert, Howard C., et al.
60	5764969	1998-06-09	Kahle, James A.
61	5796835	1998-08-18	Saada, Charles
62	5796845	1998-08-18	Serikawa, Mitsuhiko , et al.
63	5805712	1998-09-08	Davis, Derek L.
64	5825875	1998-10-20	Ugon, Michel
65	5835594	1998-11-10	Albrecht, Mark , et al.

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66	5844986	1998-12-01	Davis, Derek L.
67	5852717	1998-12-22	Bhide, Chandrashekhar W., et al.
68	5854913	1998-12-29	Goetz, John W., et al.
69	5867577	1999-02-02	Patarin, Jacques
70	5872994	1999-02-16	Akiyama, Shin-Ichiro , et al.
71	5890189	1999-03-30	Nozue, Hiroshi , et al.
72	5900606	1999-05-04	Rigal, Vincent
73	5901225	1999-05-04	Ireton, Mark A., et al.
74	5903752	1999-05-11	Dingwall, Thomas J., et al.
75	5937063	1999-08-10	Davis, Derek L.
76	5953502	1999-09-14	Helbig, Sr., Walter A.
77	5970147	1999-10-19	Davis, Derek L., et al.
78	5978481	1999-11-02	Ganesan, Ramanan V., et al.
79	5987557	1999-11-16	Ebrahim, Zahir
80	6014745	2000-01-11	Ashe, Vincent
81	6055637	2000-04-25	Hudson, Jerome D., et al.
82	6058478	2000-05-02	Davis, Derek L.
83	6061794	2000-05-09	Angelo, Michael E.
84	6075938	2000-06-13	Bugnion, Edouard , et al.
85	6085296	2000-07-04	Karkhanis, Nitin Y., et al.
86	6092095	2000-07-18	Maytal, Benjamin
87	6101584	2000-08-08	Satou, Mitsugu , et al.
88	6115816	2000-09-05	Davis, Derek L.
89	6125430	2000-09-26	Noel, Karen L., et al.
90	6148379	2000-11-14	Schimmel, Curt F.
91	6158546	2000-12-12	Hanson, Roger D., et al.
92	6173417	2001-01-09	Merrill, John W.
93	6175925	2001-01-16	Nardone, Joseph M., et al.
94	6178509	2001-01-23	Nardone, Joseph M.
95	6182089	2001-01-30	Ganapathy, Narayanan , et al.
96	6192455	2001-02-20	Bogin, Zohar , et al.
97	6205550	2001-03-20	Nardone, Joseph M., et al.
98	6212635	2001-04-03	Reardon, David C.
99	6222923	2001-04-24	Schwenk, Joerg
100	6249872	2001-06-19	Wildgrube, Frank L., et al.
101	6252650	2001-06-26	Nakaumra, Kouji

102	6269392	2001-07-31	Cotichini, Christian , et al.
103	6272533	2001-08-07	Browne, Hendrik A., et al.
104	6272637	2001-08-07	Little, Wendell L., et al.
105	6282651	2001-08-28	Ashe, Vincent
106	6282657	2001-08-28	Kaplan, Michael M., et al.
107	6292874	2001-09-18	Barnett, Philip C.
108	6301646	2001-10-09	Hostetter, Matthew J.
109	6308270	2001-10-23	Guthery, Scott B., et al.
110	6314409	2001-11-06	Schneck, Paul B., et al.
111	6321314	2001-11-20	Van Dyke, Korbin S.
112	6330670	2001-12-11	England, Paul , et al.
113	6339815	2002-01-15	Feng, Eugene
114	6339816	2002-01-12	Bausch, Jean
115	6357004	2002-03-12	Davis, Derek L.
116	6363485	2002-03-26	Adams, Carlisle
117	6374286	2002-04-16	Gee, John K., et al.
118	6374317	2002-04-16	Ajanovic, Jasmin , et al.
119	6378068	2002-04-23	Foster, Mark J.
120	6378072	2002-04-23	Collins, Thomas , et al.
121	6389537	2002-05-14	Davis, Derek L., et al.
122	6397242	2002-05-28	Devine, Scott W., et al.
123	6412035	2002-06-25	Webber, Victor
124	6421702	2002-07-16	Gulick, Dale E.
125	6435416	2002-08-20	Slassi, Tarik
126	6445797	2002-09-03	McGough, Paul , et al.
127	6463535	2002-10-08	Drews, Paul C., et al.
128	6463537	2002-10-08	Tello, Jose A.
129	6499123	2002-12-24	McFarlane, Harold L., et al.
130	6505279	2003-01-07	Phillips, Gary , et al.
131	6507904	2003-01-14	Ellison, Carl M., et al.
132	6535988	2003-03-18	Poisner, David L.
133	6557104	2003-04-29	Vu, Son T., et al.
134	6633963	2003-10-14	Ellison, Carl M., et al.
135	6633981	2003-10-14	Davis, Derek L.

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Remarks

Note: Remarks are not for responding to an office action.

Applicants, in accordance with their duty of disclosure under 37 CFR 1.56 and in accordance with 37 CFR 1.97(b)(3), hereby submit this Electronic Information Disclosure Statement citing U.S. Patent Documents for consideration by the Examiner. Pursuant to 37 CFR 1.97, the submission of this Electronic Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability. This Electronic Information Disclosure Statement is being filed prior to a substantive examination of the claims. Pursuant to 37 CFR 1.97(b), no fee should be required for the filing of this Electronic Information Disclosure Statement. In the event it is determined that a fee is due, please charge the fee to Deposit Account 02-2666. Applicants respectfully request that the cited documents be considered and that the form be initialed by the Examiner to indicate such consideration and a copy thereof be returned to Applicants' attorney of record.

Signature

Examiner Name	Date